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DECEMBER 1992



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Ø BEAT



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ZERO BEAT is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., P.O. Box 16521, Colorado Springs, Colorado 80935. For membership and subscription information see last page of this publication. The Pikes Peak Radio Amateur Association meets on the second Wednesday of each month at the Elk's Lodge, 3400 North Nevada Ave. at 7 p.m.

EDITOR: Ron Deutsch, NKØP, 4305 Ridgelane Drive, Colorado Springs, Colorado 80918 (719) 593-8352.

Deadline for submission of articles or ads is the 21st of each month. Submissions may be sent to the editor or to the club mail box. Permission to reprint articles is granted provided credit is given to both the author and this publication.

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From the President...

Here we are again. The November meeting of the PPRAA was a good meeting. Everyone seemed to enjoy the program (Thanks Steve & Sam). Thank you Rosie, WAØMNL, for contacting him.

December meeting will be combined with a Christmas party, with snacks and goodies. If you have any questions about the Christmas party contact Susan, KA7NNX, at 495-0624 or myself. I don't have much to say this month. Lets just enjoy and have a safe holiday season. Hope to see you at the December meeting.

Luci, NØUD

Committee Chairpersons

Publicity	Al Craig	594-9288
Membership	Les Borst	634-3995
Education	Al Bailey	597-8514
VE Testing	Chris Smith	495-0624
Interference	Bill Petty	591-2116
RACES	Doug Moloney	(unlisted)
ARES	John Chapman	635-1604
SKYWARN	Steve Westby	570-1070
Public Service	Mike Stanaberry	636-1290
CCARC	Oak Stockton	570-7782
Club Trailer	Steve Westby	570-1070
Newsletter	Ron Deutsch	593-8352
Club Historian	Al Craig	594-9288

Club Roster...

At the November PPRAA meeting I promised a revised club roster this month. Because of the material submitted on "Old Timers Nite" and "Library Day" I ran out of room. The new updated roster will be printed next month.

Ron, NKØP, Editor

Home Brew Nite...

January is our annual "Home Brew Nite". Bring your favorite project and win admiration and cash! Prizes for the top 3 projects as voted by the membership present at the meeting.



WORLD RADIO
I'M JUST TRYING TO GET A VALUE PERSPECTIVE HERE--- I'D SAY EACH SLEEVE IS WORTH AN ICOM IC229H, THE MAIN BODY IS EQUAL TO A TEN-TEC PARAGON, AND THE COLLAR-----

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Cadet Radio Club Contacts Endeavor

Members of the Cadet Amateur Radio Club made radio contact with the space shuttle Endeavor recently.

As part of the Shuttle Amateur Radio Experiment, the Endeavor crew included two licensed ham radio operators--American astronaut Dr. Jay Apt and Japanese astronaut Dr. Mamoru Mohri.

The first cadet to make contact with the shuttle was C2C Jon Landis, club president. Also making contact with the shuttle were C1C Tony Bishop and C4C Russell Roslewski.

Cadets used the department of astronautics' amateur satellite ground station in Fairchild Hall. In addition to a radio, the station includes two steerable high-gain antennas on the roof and a computer to calculate satellite orbits and automatically steer the antennas as satellites pass overhead.

From the Falcon Flyer Nov. 5, 1992

Operating Events

Rick Brown - KDØSU

DECEMBER

12 - 13, ARRL 10-Meter Contest, Starts 0000 UTC Saturday, and ends 2400 UTC on Sunday. Complete rules in December QST, page 129. This is a great contest for everyone. All of you newly licensed Novices and Technician/HF can join in on the fun!!

31 - January 1, Straight Key Night. Starts 0000 UTC on January 1 and runs for 24 hours. NOT

A CONTEST, but a fun time operating with your straight key. See December QST, page 132.

VE Testing

The VE test team has been very busy in November with two test sessions. One session was held at the Air Force Academy and another was held in conjunction with the PPRAA sponsored Technician Classes. The upgrades are as follows:

	7 November	9 November
Novice - 2		0
Tech 8		21
Tech/HF 3		10
General 0		1
Extra 0		1

Congratulations to all those earning new licenses or upgrading. As usual, Al, ADØZ, and Frank, KFØWF did a great job with the classes.

The next regular VE Test Session will be held on 12 December at Chapman College. The contact point for the session is Chris, NXØE. He can be reached at 495-0624.

G.A.L.S. Meet

Attention all Chow-hounds!!

The "GALS" met on Thursday, November 19th at the Golden Palace restaurant for lunch. There were 15 Hams, Ham-ettes, and their guests present for a most delightful two-hour luncheon.

The next luncheon will be on December 17th at Furr's cafeteria, Rustic Hills Mall at 11:30 AM. Each attendee is encouraged to bring a \$2 present of the generic type for Xmas exchange. Hope to see you there for chow, fun, and frolicking.

73's and 88's, Connie, KAØPXE

Board Meeting

The meeting was called order at 3pm on November 15 at the QTH of Ken NØNKP. The following members and guests were present: Luci, NØOUD; Mallory, NØIKF; Tom, NØNTX; Harv, WB6YXD; Ken, NØNKP; Rosie, WAØMNL; Steve WB7VHR; Steve, KØCI; Ron, NKØP; Bill, NØNJX; Mike, KØTER; Russ, KBØFNM; Liz, NØTUK.

Harv, WB6YXD, reported on response from questionnaires which were distributed in September. There were several themes. Members seem to want more educational programs (esp. packet, satellite, TV, and interference tracking). It was also suggested that committee reports should be submitted to Ø-Beat instead of being done orally at the meeting. Harv will write a complete report for distribution to Club members.

The monthly raffle was discussed. The intent of the raffle is to pay for prizes and for other Club functions such as the picnic. Requesting donations of raffle prizes from local businesses was discussed.

The limiting of free distribution of Ø-Beat newsletters was discussed. It was suggested that old newsletters be saved and distributed to people interested in Amateur Radio or interested in joining the Club.

The January 1992 newsletter will be sent to the Amateur Radio News Service.

The use of the new PA system at the meeting was discussed in detail. Mike, KØTER reviewed the FCC rules and will contact the FCC for further information. The concern is that the club is violating the FCC rules in the areas of one-way communication and business communication.

The sites for the next picnic and Field Day were discussed. This will be discussed at the December Club meeting.

Revision of the Clubs Data Base at the Pikes Peak Library District was discussed. The only change is that Luci, NØOUD will replace Al, NØCMW as the contact person. The meeting was adjourned at 4:30pm

Submitted by Liz, NØTUK, PPRAA Secretary

General Meeting

The meeting was called to order by the President, Luci, NØOUD at 7pm.

CLARIFICATION: The Tuesday night RACES net meets at 0130 (Zulu) or 1830 (local).

PUBLICITY: Al, N2IWZ, thanked members for their help during the Oct. 31 program at the East Library.

EDUCATION: Al ADØZ, discussed the increased interest in Amateur Radio among the general public. There may be additional classes to accommodate this interest. Additional VE's will be needed.

TREASURER:

previous balance -	\$1030.29
income	\$481.01
bills	\$409.50
new balance	\$1101.80

INTERFERENCE - No report

RACES - The exercise on October 17 was a success. New call-up rosters are available. New Hams are encouraged to get involved in RACES. Members are reminded to try to keep their rosters easily available. It was suggested that members make a photo copy to keep in a wallet. Anyone who signed up since last March is not yet on the "tree".

SKYWARN - The two-meter antenna is on the trailer. Jeff donated the mount and Frank repaired the step. Training classes will be sometime in March.

PUBLIC SERVICE - Project Concern Walk for Children (previously Walk for Mankind) has asked the Club's help on April 17. The World Police and Fire Games has also asked for the help of the Club during their week long competition to be held during the first week in August. The hours for this will be from 8am to 5pm Monday through Friday.

CCARC - No report. The next meeting will be in February in Denver.

Ø-Beat. The deadline to submit articles is the 21st of the month. The roster will be printed next month. Please be sure you have your correct name and call sign on the roster.

CHRISTMAS PARTY - The Christmas Party will be held on December 9 at the Elks Club. It will follow a brief Club business meeting. There will be entertainment. See Ø-Beat for further details.

Continued on page 10

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Old-Timers Night

We had a great turnout at the meeting of October 14 when we honored our old-timer radio amateurs. Over 100 people were present, of whom 17 were old-timers (25 to 39 years from their first ham radio license) and 8 senior old-timers (40 years or longer). We also had a display of interesting old-time radio equipment. In fact some of the equipment predated even our most senior old-timers going back to the early 20's (this equipment courtesy of Jim Patterson).

Two old-timers and four senior old-timers each spoke to the membership about their early experiences in ham radio. The old-timers were, Rosie Calaway WA0MNL (1965) and Mike Stansberry K0TER (1957), while Jim Merrill W0ANX (1939), Charlie Eining W9YYO (1938), Oak Stockton K0ROL (1936) and Jay Hall W0COB (1929), were the senior old-timers, all four seniors having been hams for over fifty years.

A wide variety of equipment was displayed including a 30's vintage QRP transmitter which belongs to Ivan Hickman, N0MIX. Jim Patterson loaned us some super antiques for the occasion including a battery charger that used mechanical rectification, that's right I said mechanical rectification. All of this equipment had at least one thing in common - any of us could have repaired it. With the circuitry of today steadily disappearing into tiny plastic chips it's nice to see equipment from "the good old days" when you could actually get in with a soldering iron and do it yourself.

Congratulations to all of our old-timers and a special thanks to those who shared the memories of their ham radio pasts with us. And we certainly don't want to forget all those who kindly brought equipment (particularly Charlie Eining for his two ton monsters). It was a fun evening and we are proud of all our old-timers.

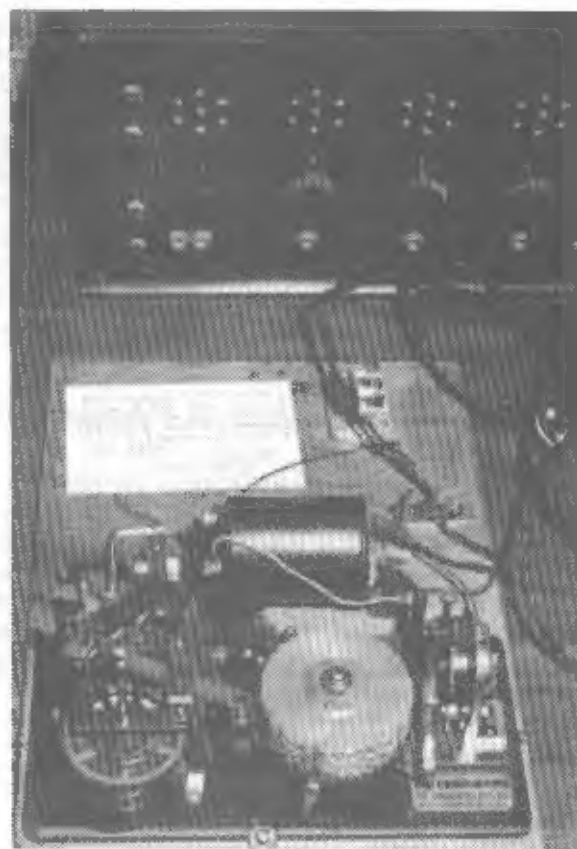
Submitted by: Al Craig, N2IWX

Photo Captions

Our featured speakers. (top left) Jim Merrill W0ANX, Mike Stansberry K0TER, and Jay Hall W0COB. (center left) Charlie Eining W9YYO, Rosie Calaway WA0MNL, and Oak Stockton K0ROL.

Some of the equipment displayed. (bottom left) from the 40's a World War II BC-348 receiver owned by Mike K0TER. (top right) from the 30's a 28 MHz broadcast relay transmitter built by NBC and now owned by Charlie W9YYO. (bottom right) from the 20's a device for sending practice code characters and words. Send speed could be varied as well as the "messages" by interchanging the code plates. Owned by Jim Patterson.

Photography by Charlie Davis, KW4O



Ham Radio at the Library

The PPRAA, in cooperation with the Pikes Peak Library District, put on an impressive display of all phases of amateur radio on Saturday, October 31 at the East Library, 5550 Union Boulevard. It was a real success due to the enthusiastic participation of more than fifty club members and friends of PPRAA. The show ran from 10 AM to 4 PM and was viewed by hundreds of library patrons in spite of the unfriendly weather that moved into town in the early afternoon.

Ron NKØP's Tesla coil performed just fine for six hours straight and was a great attention getter at the library entrance as was the sailplane which the Pikes Peak Soaring Society (one of our participants) had hanging from the ceiling nearby. The Edge of Space Sciences display provided some early morning TV pictures from their balloon launch in Longmont and it was a popular exhibit with visitors all day long. Once again Oak Stockton KØROL's amateur radio TV station attracted lots of attention as most library patrons were unaware of this aspect of ham radio.

The Message Center in the able hands of Rosie, WAØMNL and Jake, NØCYR provided valuable experience in message handling for some of our younger members. Faye, KBØQI and Connie, KAØPXE were a real credit to the YLISSB and along with Ralph, KAØMTX and a few others kept our HF station active. The Pikes Peak Soaring Society provided another form of interest to our visitors particularly with the huge sixteen foot sailplane they had suspended from the ceiling in the middle of the room where our displays were exhibited.

El Paso Search and Rescue brought Comm 1, to the show. This is one very impressive piece of automotive communications equipment. I'm afraid it didn't get seen by too many people and the fault is mine as I did not sufficiently inform Search and Rescue as to the set up of the show. We'll do better, much better, next year. Tom, NØNTX brought his AMSAT station and provided another aspect of ham radio that most visitors were unfamiliar with. A

real surprise was REACT, an organization that has its roots in CB (yes, that hated CB) but they set up a first class display and made some of us think that maybe our club should consider spending a little money to help our public service arms such as ARES and RACES with some professional signs and backdrops.

I think most agree that the club put on a pretty good show and that we can do even better next year. I have already asked the library for a Saturday in September and nicer weather will certainly help with attendance. But for now a big round of applause for all those members and friends who willingly pitched in to make our day at the library so successful.

Submitted by: Al Craig, N2IWZ

Photo Captions

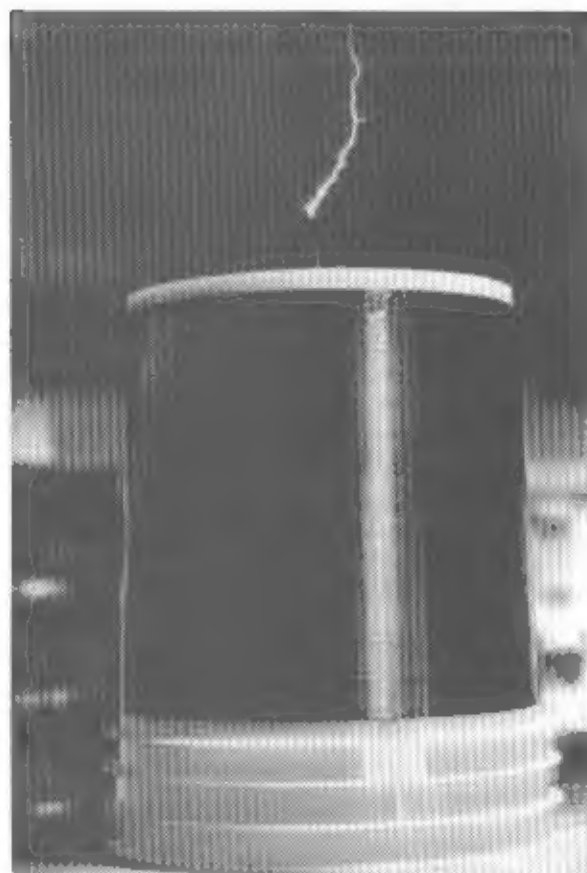
Jake NØCYR with two Baxter's, Megan and Emily NØOPR (top left).

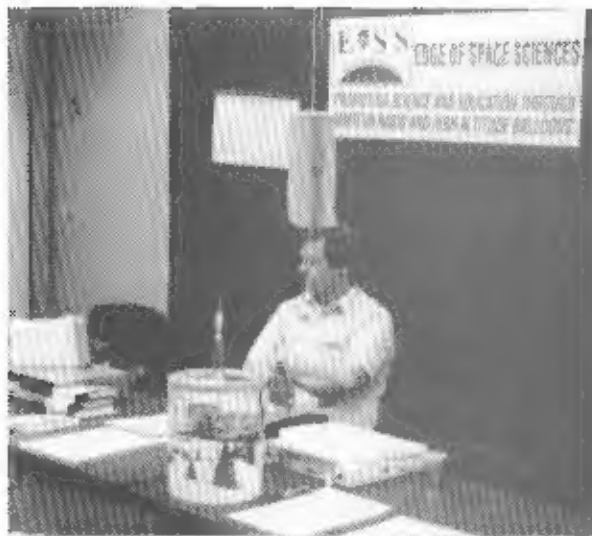
Search and Rescue's Comm 1 and our Stephie KBØEZG assisting Oak KØROL. Every TV station needs a pretty girl (center left).

own club trailer (bottom left).

Ron NKØP's dependable Tesla coil, a great attention getter (top right).

Faye KBØQI and John Kremer (awaiting his license) working the HF station, Jake NØCYR and Ora NØQJX in the background.





From page 4

SWAPFEST - Possible locations for the Spring Swapfest were discussed. Two possibilities are Handy Dan and the Mission Trace Shopping Center.

VE TESTING - The next VE test session will be on December 12 at 9:00am. The location will be announced at the next meeting.

The Club thanked Oak for his donation of the PA system.

Harv was awarded a plaque for his outstanding service as Club President during the past year.

Oak briefed the Club on the new PA system. There was a discussion about how the FCC rules apply to the new PA system. The question of whether the use of the PA system violates the FCC prohibition of broadcasting and the prohibition of the use of Ham radio for conducting "everyday business" of the organization.

A representative from the El Paso County Search and Rescue gave an excellent present on the use of trained dogs in searching for lost people in the wilderness. He brought with a trained Newfoundland dog which was very well-behaved and which socialized with Club members.

Submitted by:

Liz, NØTUK, PPRAA Secretary

Photo Captions

Malcolm KE9S at the Edge of Space Sciences display.

Walt NØPSB provides Diane KB5LOL with information about REACT.

Larry WA8GZC holds forth on the glories of flying sailplanes.

Photography by Charlie Davis, KW4O

Twas The Night Before Xmas...At Our QTH.

Twas the night before Xmas and all through our pad:
The old rig was tuned up,the skip the best we've had.
The stockings are hung by the chimney with care,
All washed clean,but Grandpa's feet, they are bare.

When out on the lawn there arose such a noise.
"The kids are coming, that must be the boys."
We looked out and to our total surprise
No kids,but a little old man in disguise.

With eight reindeer and a old loaded sleigh.
"Hey,you",yelled Grandpa,"You're in the way,
Take that piece of junk and get off my lawn."
Santa,just smiled and said"I won't be long."

Grandma, wrung her hands,she was mad and in a fuss.
She said,"What ever will the neighbors think of us?"
"You'd better go,"She said , "And take all this stuff,
You're a dirty old man and we've had quite enough."

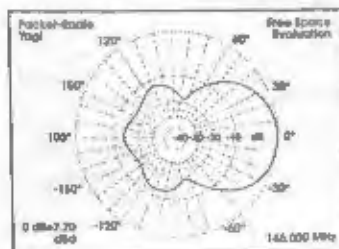
Santa, just smiled and said, as he reached in his pack,
"Here's a new HF Rig,you want I should take it back?"
"Heck,no",Said Grandma , as she danced a jig,
"We sure are needing a brand new HF Rig!"

"How about some cookies and milk for you?"
Asked, Grandpa, 'cause he liked the new rig too.
"No thanks,"Said Santa ,as he made ready to go,
"I gotta git going.....I'm old and I'm slow."

As Santa ,took off he threw out yet another box,
It was an antenna and for Grandpa a new pair sox.

73 And A Merry Xmas,
WAØMNL, Rosie.

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